

CLAIMS

1. A method for implementing a Push service, comprising the following steps:

5 a Push Initiator sending a Push message to a Short Message Service Center through a Push Proxy Gateway (PPG);

 the Short Message Service Center segmenting the Push message to obtain a group of short messages, and scheduling the group of short messages in a transaction mode and delivering them to a mobile
10 station;

 after receiving the group of short messages, the mobile station recombining them into an integral message.

2. The method according to claim 1, wherein said transaction mode refers to continuously sending in a predetermined time a group
15 of short messages obtained by segmenting, and resending one or more one of the messages when they are sent unsuccessfully.

3. The method according to claim 2, wherein if all the short messages of the group obtained by segmenting are sent successfully in a predetermined time, the Short Message Service Center returns
20 an Acknowledgement Message to the PPG, and the PPG sends a Result Notify Message to the Push Initiator according to the Acknowledgement Message.

4. The method according to claim 2, wherein if any one of the short messages of the group obtained by segmenting is sent
25 unsuccessfully in a predetermined time, the Short Message Service Center returns a Submission Failure Message to the PPG, and the PPG sends a Result Notify Message to the Push Initiator according to the Submission Failure Message.

5. The method according to claim 1 or 2, wherein after sending
30 the Push message to the Short Message Service Center, the PPG suspends

the present transaction to wait for the processing result thereof from the Short Message Service Center and continues to process the next transaction.

6. The method according to claim 1, wherein said Short Message
5 Service Center is specially used to bear a Push service.

7. The method according to claim 6, wherein said SMSC is arranged separately or integrated in a WAP Gateway.